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## **CAFE SCIENTIFIQUE TO EXPLORE THE IMPORTANCE OF HACKING**

### ***CMU CyLab Director is an Expert in the Growing Field of Cybersecurity***

**PITTSBURGH, Sept. 22, 2015** — To Carnegie Mellon University's David Brumley, hacking is "not something just bad guys do." Brumley, a professor and director of the CyLab Institute at Carnegie Mellon University, will discuss the important science behind hacking at Carnegie Science Center's next Café Scientifique on Monday, Oct. 5, from 7 – 9 pm.

Brumley and his team at Carnegie Mellon's CyLab (cyber security lab) envision a world in which software is automatically checked for exploitable bugs, giving people the ability to trust their computers. The demand for cybersecurity professionals is growing, and Carnegie Mellon University is working to train students interested in the field.

Brumley is an associate professor who focuses on software security, with appointments in the Electrical and Computer Engineering Department and the Computer Science Department.

He is the faculty mentor for the CMU Hacking Team Plaid Parliament of Pwning (PPP), which is ranked internationally as one of the top teams in the world. Brumley's honors include a 2010 NSF CAREER award; a 2010 United States Presidential Early Career Award for Scientists and Engineers (PECASE) from President Obama, the highest award in the U.S. for early career scientists; and a 2013 Sloan Foundation award. Brumley is the 2015 winner of the Carnegie Science Award in the University/Post-Secondary Educator category. He was lauded for recognizing the need for novel approaches to STEM education, leading him to spearhead picoCTF, a national cyber security game and contest targeted at exciting young minds about computer security.

Brumley attended the University of Northern Colorado for his bachelor's degree in mathematics, Stanford University for his master's degree in computer science, and, most recently, CMU for his PhD in computer science. At Stanford, he worked as a computer security officer, handling thousands of computer security incidents in a four-year span.

Admission to Café Sci is free. Food and drinks are available for purchase. Doors open at 6 pm. The evening includes time for informal discussion, eating, and drinking.

For more information and to RSVP, visit [CarnegieScienceCenter.org](http://CarnegieScienceCenter.org) or call 412.237.3400.

### **About Carnegie Science Center**

Carnegie Science Center is dedicated to inspiring learning and curiosity by connecting science and technology with everyday life. By making science both relevant and fun, the Science Center's goal is to increase science literacy in the region and motivate young people to seek careers in science and technology. One of the four Carnegie Museums of Pittsburgh, the Science Center is Pittsburgh's premier science exploration destination, reaching more than 700,000 people annually through its hands-on exhibits, camps, classes, and off-site education programs.

### **About Carnegie Museums of Pittsburgh**

Founded by Andrew Carnegie 120 years ago, Carnegie Museums of Pittsburgh is a collection of four distinctive museums dedicated to exploration through art and science: Carnegie Museum of Art, Carnegie Museum of Natural History, Carnegie Science Center, and The Andy Warhol Museum. The museums reach more than 1.3 million people a year through exhibitions, educational programs, outreach activities, and special events.

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